

CLAIMS

What is claimed is:

- 1 1. A method for operating a measurement and testing instrument configured to
2 measure a characteristic of a device-under-test, the method comprising the steps of:
3 receiving a first user input provided via a first component of a pointing device;
4 moving a cursor displayed on a display device responsive to the first user
5 input;
6 receiving a second user input provided by rotating a second component of the
7 pointing device; and
8 modifying an item displayed on the display device responsive to the second
9 user input and responsive to where the cursor is located when the
10 second user input is received.
- 1 2. The method of claim 1, wherein the item is displayed near the cursor when the
2 second user input is received.
- 1 3. The method of claim 2, wherein the method is implemented by one of an
2 oscilloscope, a spectrum analyzer, a logic analyzer, a vector analyzer, a network
3 analyzer, and a time interval analyzer.
- 1 4. The method of claim 1, wherein the pointing device comprises one of a mouse, a
2 touch-pad, a track-ball and a joystick.
- 1 5. The method of claim 1, wherein the item specifies one of a display setting and a
2 measurement setting.
- 1 6. The method of claim 1, further comprising modifying a measurement result
2 displayed by the display device responsive to the second user input.
- 1 7. The method of claim 6, wherein the measurement result comprises at least one of a
2 waveform and a measurement value.

- 1 8. The method of claim 1, wherein the second component comprises a rolling
2 mechanism.
- 1 9. The method of claim 1, wherein an icon is displayed next to the cursor to indicate
2 that the item is responsive to rotating the second component of the pointing device.
- 1 10. A measurement and testing instrument comprising:
2 an input-execution module for modifying an item displayed on a display
3 device responsive to a second user input provided by rotating a second
4 component of a pointing device; and
5 an input-dispatch module for passing the second user input to the input-
6 execution module responsive to a cursor being displayed at a location
7 corresponding to the input-execution module, wherein a location of the
8 cursor is responsive to a first user input provided by a first component
9 of the pointing device.
- 1 11. The measurement and testing instrument of claim 10, wherein the item specifies
2 one of a display setting and a measurement setting.
- 1 12. The measurement and testing instrument of claim 9, wherein the measurement
2 and testing instrument is one of an oscilloscope, a spectrum analyzer, a logic analyzer,
3 a vector analyzer, a network analyzer, and a time interval analyzer.
- 1 13. The measurement and testing instrument of claim 10, wherein the first and second
2 user inputs are provided by a pointing device selected from a group consisting of one
3 of a mouse, a touch-pad, a track-ball and a joystick.
- 1 14. A method for operating a measurement and testing instrument configured to
2 measure a characteristic of a device-under-test, the method comprising the steps of:
3 receiving a first user input provided via a first component of a pointing device;
4 moving a cursor displayed on a display device responsive to the first user
5 input;

6 receiving a second user input provided by rotating a second component of the
 7 pointing device;
 8 identifying a module that corresponds to a current location of the cursor;
 9 providing the second user input to the module; and
 10 performing by the module an action that is specified by the user input.

1 15. The method of claim 14, wherein the method is implemented by one of an
 2 oscilloscope, a spectrum analyzer, a logic analyzer, a vector analyzer, a network
 3 analyzer, and a time interval analyzer.

1 16. The method of claim 14, wherein the pointing device comprises one of a mouse, a
 2 touch-pad, a track-ball and a joystick.

1 17. The method of claim 14, wherein the action comprises modifying and item
 2 displayed near the cursor.

1 18. The method of claim 17, wherein the item specifies at least one of a measurement
 2 setting, a display setting, a waveform and a measurement value.

1 19. A measurement and testing instrument comprising:
 2 means for receiving a first user input provided via a first component of a
 3 pointing device and a second user input provided by rotating a second
 4 component of the pointing device;
 5 means for moving a cursor displayed on a display device responsive to the
 6 first user input;
 7 means for modifying an item displayed on the display device responsive to the
 8 second user input and responsive to where the cursor is located when
 9 the second user input is received.

1 20. The measurement and testing instrument of claim 19, wherein the method is
 2 implemented by one of an oscilloscope, a spectrum analyzer, a logic analyzer, a
 3 vector analyzer, a network analyzer, and a time interval analyzer.

1 21. The measurement and testing instrument of claim 19, wherein the pointing device
2 comprises one of a mouse, a touch-pad, a track-ball and a joystick.

1 22. The measurement and testing instrument of claim 19, wherein an icon is
2 displayed next to the cursor to indicate that the item is responsive to rotating the
3 second component of the pointing device.